

position	40	45	50	55	60	65						
MAW motif	i x t g x x x l d x a l x x G G l x x g x i v E i y											
		<div><div>α Helix B</div><div>β Strand 1</div></div>										
<i>E. coli</i> RecA	I S T G S L S L D I A L G A G G L P M G R I V E I Y											
bacterial RecA	F G S R A I A I N A M I F G V I V F											
	M K C T D V E T S I K T											
	T P I V G G T V R											
	V N Y L L V Y											
	Y M N Δ											
	T Q											
	V R											
	Y S											
	T											
	V											
Rad51 & Dmcl	I S T G S K A L D E I L G Δ G G I E T G Q I T E A F											
	L T Q E K L Q V M L S L											
	N S M M											
	Q T V											
RecA/Rad51-like	F R S A D D A F D D A L A G G G F E A A G A I E F A											
	I S T G F K E L N E I G L I F K G R I T I I F											
	L T W K I L G M G L N Δ L P P H S L V L L G											
	V N S P M V I V S ^ M Q S Q T M Y V V											
	Q Q N L V R T R V V ^											
	R T R											
	T T											
	V											
MAW mutants		W W W W										
		Y Y Y Y										

Fig. 1

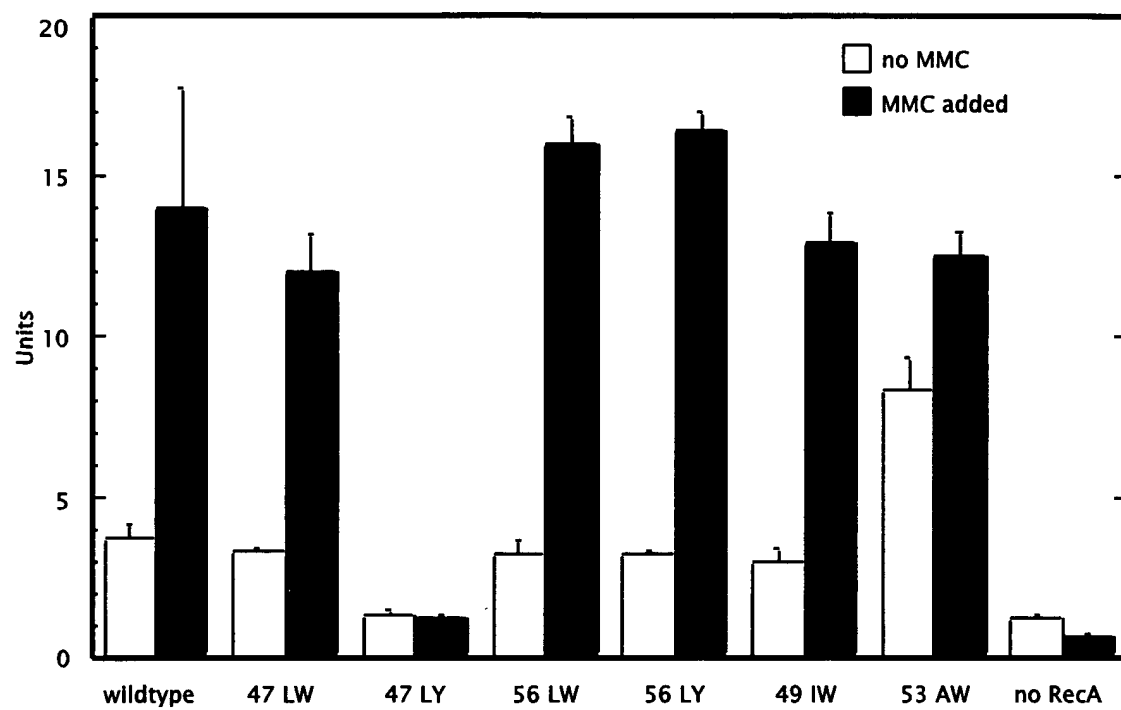


Fig. 2

I

II

III

IV

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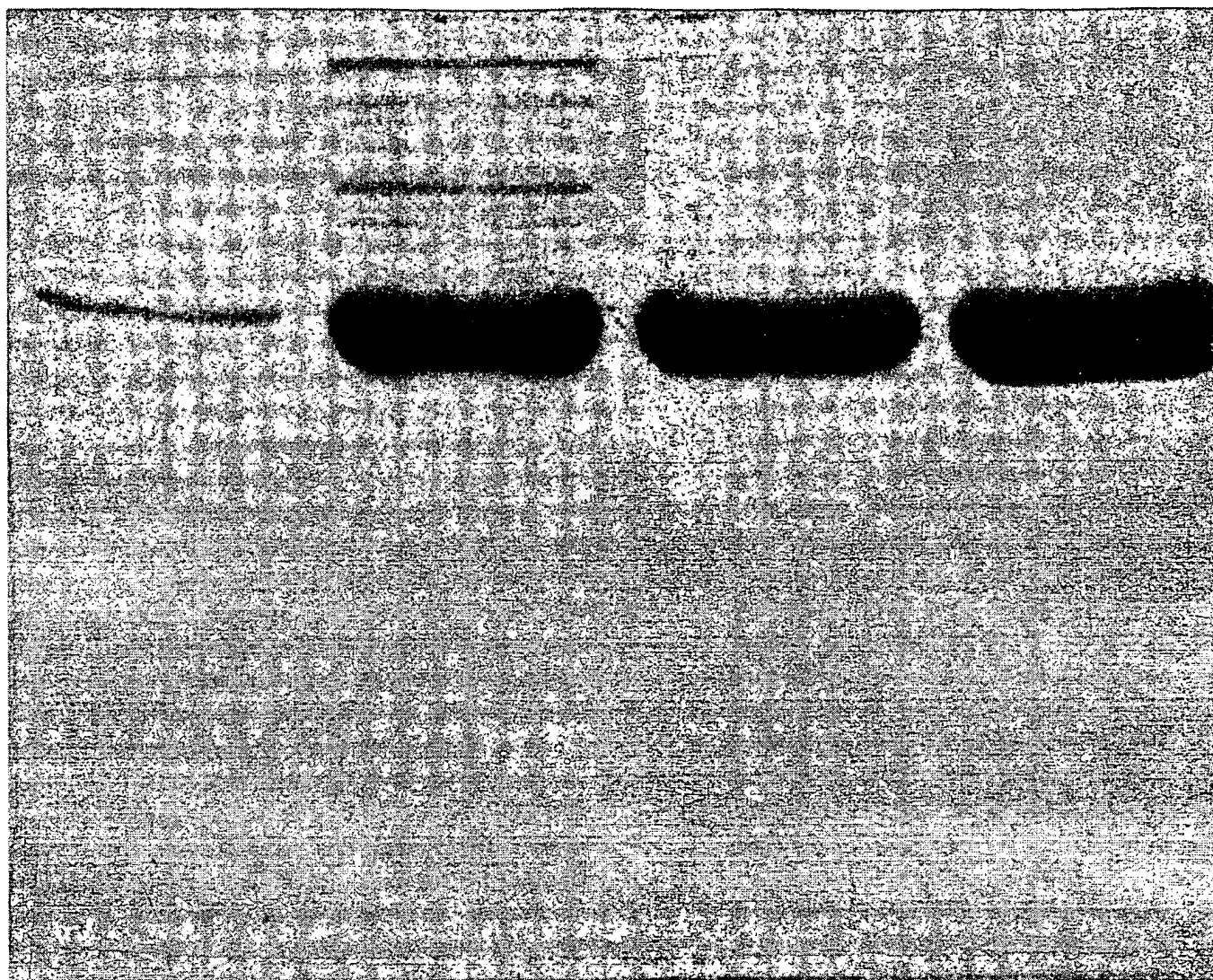


Fig. 3